





**KERALA STATE
SCIENCE AND TECHNOLOGY PRIZE
1978**

The Kerala State Science & Technology Prize for 1978

has been awarded to

Dr. M. S. SWAMINATHAN

for his outstanding contributions in

Agriculture especially Genetics, Cytology and Plant Breeding.

(E. K. NAYANAR)
Chief Minister of Kerala.

(JOTHI VENCATACHELLUM)
Governor of Kerala.

Trivandrum,
25th April, 1980.

KERALA STATE SCIENCE AND TECHNOLOGY PRIZES 1978

Dr. M. S. Swaminathan

Dr. Monkombu Sambasivan Swaminathan, Ph.D., D.Sc., F.A.Sc., F.N.A., F.R.S. is Deputy Chairman, Planning Commission, Government of India.

Dr. Swaminathan who was Director General, Indian Council of Agricultural Research, New Delhi and later Secretary to the Government of India in the Department of Agriculture and Cooperation is well known for his outstanding contributions to cytogenetics and radiation research and was the chief architect of the green revolution in India. He is the author of over 200 publications in national and international journals. He is a member or chairman of various national and international committees concerned with agriculture, food and nutrition, peaceful uses of atomic energy etc.

Dr. Swaminathan, who is a Fellow of the Royal Society, is the recipient of numerous awards among which are the Shanti Swarup Bhatnagar Award (1961), Mendal Memorial Award (1965), Magsaysay Award (1971), Silver Jubilee Commemoration Medal of the Indian National Science Academy (1973), Barclay Medal (1974), Padma Shri (1967), Padma Bhushan (1972) etc.

Dr. Swaminathan is Foreign Associate, National Academy of Sciences of the United States (1977), and a Foreign Member, All-Union Academy of Agricultural Sciences, U.S.S.R., and various other scientific societies.



THE CHIEF SECRETARY TO THE GOVERNMENT OF KERALA

REQUESTS YOUR PRESENCE

AT

THE KERALA STATE SCIENCE AND TECHNOLOGY
PRIZES AWARD CEREMONY

AT 18.30 HOURS ON FRIDAY, THE 25th APRIL 1980

AT THE DURBAR HALL, SECRETARIAT, TRIVANDRUM

THE GOVERNOR OF KERALA

HAS AGREED TO GIVE AWAY THE PRIZES

RSVP to
State Committee on
Science & Technology,
Secretariat, Telephone: 4803.

Please show this card at the entrance and be in your seat by 18.15 hours.

(Programme overleaf)

PROGRAMME

National Anthem

- Welcome : Prof. A. Abraham, Chairman,
State Committee on Science &
Technology.
- Address : Smt. Jothi Vencatachellum,
Governor of Kerala.
- Felicitations : Shri E. K. Nayanar, Chief Minister.
- Reply on behalf of the Awardees :
- Vote of thanks : Prof. N. Balakrishnan Nair,
Member-Secretary, State Committee
on Science & Technology.

National Anthem

Appendix II

Kerala Gazette No. 9 dated 26th February 1980.

PART I

GOVERNMENT OF KERALA

Abstract

**SCIENCE AND TECHNOLOGY—KERALA STATE SCIENCE AND TECHNOLOGY
PRIZES FOR 1978—SCIENTISTS SELECTED FOR AWARD OF THE PRIZES—
ORDERS ISSUED**

PLANNING & ECONOMIC AFFAIRS (S & T) DEPARTMENT

G. O. (Ms.) No. 64/79/Plg.

Dated, Trivandrum, 6th December 1979.

Read:—G. O. (P) 43/78/Plg. & E. A. dated 3-10-1978.

ORDER

With a view to encouraging Scientific and Technological work relating to the community needs and for boosting quality research pertaining to the State's problems in the various research institutions, the State Committee on Science and Technology have instituted 10 prizes under different disciplines in Science including Engineering and Technology. The value of the prize fixed is Rs. 5,000 (Rupees Five thousand only) and is exempt from income-tax.

2. On the unanimous recommendation of a Special Committee of the State Committee on Science and Technology appointed by the Chief Minister, Government are pleased to award the prizes for 1978 to the undermentioned persons recognising their outstanding contributions in their respective fields:

- (1) Prof. K. R. Ramanathan,
Vikram Sarabhai Research Institute,
Ahamedabad.
- (2) Prof. M. G. K. Menon, FRS.,
Secretary to Government of India,
Department of Science and Technology,
New Delhi.
- (3) Dr. M. S. Swaminathan, FRS.,
Secretary to Government of India.
(Department of Agriculture & Irrigation),
New Delhi.

- (4) Prof. G. N. Ramachandran, FRS.,
Indian Institute of Science,
Bangalore.
- (5) Prof. E. C. George Sudarsan,
Centre for Particle Theory,
University of Texas, Austin, Texas 78712,
United States of America.
- (6) Dr. P. K. Iyengar,
Head, Physics Division,
Bhabha Atomic Research Centre,
Trombay, Bombay.
- (7) Dr. M. S. Valiathan, Director,
Sree Chitra Medical Centre,
Trivandrum.
- (8) Shri K. P. P. Nambiar,
Chairman and Managing Director,
KELTRON, Trivandrum.
- (9) Prof. C. A. Ninan,
Department of Botany,
University of Kerala,
Kariyavattom, Trivandrum.
- (10) Prof. M. Krishnan Nair, (Team award)
Department of Pathology,
College of Veterinary and Animal Sciences,
Mannuthy.
2. Dr. A. Rajan
 3. Shri K. M. Ramachandran
 4. Smt. K. I. Mariyamma
 5. Smt. K. V. Valsala

By order of the Governor,
P. SUKUMARAN,
Additional Secretary.



**KERALA STATE
SCIENCE AND TECHNOLOGY PRIZES
1978**

RECIPIENTS

STATE COMMITTEE ON SCIENCE AND TECHNOLOGY
DEPARTMENT OF PLANNING AND ECONOMIC AFFAIRS
GOVERNMENT OF KERALA
SECRETARIAT
TRIVANDRUM



KERALA GOVERNMENT GAZETTE No. 43 DATED 24th OCTOBER 1978

Abstract

KERALA STATE SCIENCE AND TECHNOLOGY PRIZES — ORDERS ISSUED

G. O. (P) No. 43/78/Plg. PLANNING AND ECONOMIC AFFAIRS DEPARTMENT

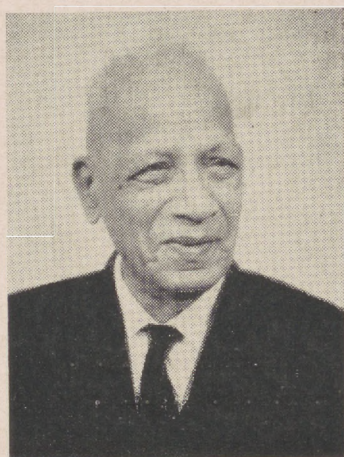
Dated, Trivandrum, 3rd October 1978

With a view to encouraging Scientific and Technological work relating to the community needs and for boosting quality research pertaining to the State's problems in the various research institutions, the State Committee on Science and Technology had at its meeting held on 15-4-1978 resolved to establish 10 prizes under the different disciplines in Science including Engineering and Technology. The prizes will be of the value of Rs. 5,000 each and will be awarded annually for notable and outstanding research, applied or fundamental.

By order of the Governor,

K. P. S. MENON,
Joint Secretary.

KERALA STATE SCIENCE AND TECHNOLOGY PRIZES 1978



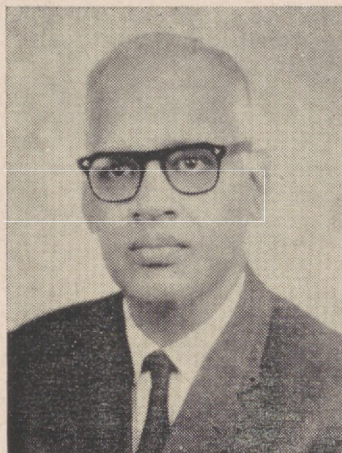
Prof. K. R. Ramanathan

Prof. Kalpathi Ramakrishna Ramanathan, M.A., D.Sc., F.A. Sc., F.N.I., is at present Emeritus Professor, Physical Research Laboratory at Ahmedabad.

Prof. Ramanathan, formerly Director and Professor of the Physical Research Laboratory, Ahmedabad, was a close associate of Sir C.V. Raman in his researches and has earned international reputation for his outstanding contributions to our knowledge of the upper atmosphere, the tropopause, the monsoon circulation of the atmosphere, the nature of monsoon disturbances, hydrology seismology, geomagnetism, atmospheric ozone, atmospheric radiation, night air-glow, ionospheric physics etc. The scientific fields of meteorology, hydrology and geophysics in India have been significantly advanced through the personal investigations and guidance of Prof. Ramanathan.

Prof. Ramanathan has been the recipient of numerous awards such as the Fellowship of the Royal Meteorological Society of London (1960), the International Meteorological Organisation Award (1961), Padma Bhushan (1965), Padma Vibhushan (1976) and the Aryabhata Medal of the Indian National Science Academy (1978).

KERALA STATE SCIENCE AND TECHNOLOGY PRIZES 1978



Prof. G. N. Ramachandran

Prof. Gopalamudram Narayana Ramachandran, M.A., M.Sc., Ph.D. (Cantab.), D.Sc., A.I.I.Sc., F.A.Sc., F.R.S.A., F.N.A., F.R.S., Professor of Mathematical Biology, Indian Institute of Science, Bangalore is internationally known for his significant contributions to our knowledge of protein structure, and in particular for his well known triple-helical structure of collagen. Together with his colleagues he has also developed a number of new methods in X-ray crystallography, the most important of which has been the beta-synthesis.

Prof. Ramachandran, who is a Fellow of the Royal Society is the author of many scientific papers and monographs, and has edited several well known treatises on protein structure, crystallography and collagen.

Prof. Ramachandran is regarded as an international authority on X-ray crystallography. He has been Visiting Professor of Biophysics at the University of Chicago (1967) and Fogarty International Scholar, National Institute of Health, U.S.A. (1977-78).

Prof. Ramachandran is the recipient of several awards and prizes including the Shanti Swarup Bhatnagar Award (1961), Watumull Memorial Prize (1964), Jawaharlal Nehru Fellowship (1968-70), Srinivasa Ramanujam Medal (1972), J.C. Bose Medal (1977) etc.

KERALA STATE SCIENCE AND TECHNOLOGY PRIZES 1978



Dr. M. S. Swaminathan

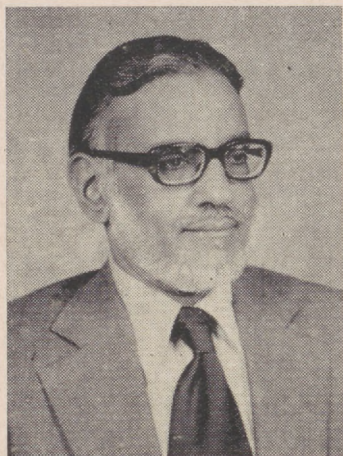
Dr. Monkombu Sambasivan Swaminathan, Ph.D., D.Sc., F.A.Sc., F.N.A., F.R.S. is Deputy Chairman, Planning Commission, Government of India.

Dr. Swaminathan who was Director General, Indian Council of Agricultural Research, New Delhi and later Secretary to the Government of India in the Department of Agriculture and Cooperation is well known for his outstanding contributions to cytogenetics and radiation research and was the chief architect of the green revolution in India. He is the author of over 200 publications in national and international journals. He is a member or chairman of various national and international committees concerned with agriculture, food and nutrition, peaceful uses of atomic energy etc.

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KERALA STATE SCIENCE AND TECHNOLOGY PRIZES 1978



Prof. M. G. K. Menon

Prof. Mambillikalathil Govind Kumar Menon, Ph.D. (Bristol), D.Sc., F.A.Sc., F.N.A., F.R.S., Director General, Council of Scientific and Industrial Research and Secretary to the Government of India, Department of Science and Technology, New Delhi, is internationally known for his notable contributions to the nuclear emulsion technique, the physics of elementary particles, particularly strange particles and cosmic ray investigations in high altitudes and at great depths underground.

Prof. Menon who is a Fellow of the Royal Society, is the author of several publications in journals of repute, and is the recipient of many awards such as the Senior Award of the Royal Commission for the Exhibition of 1851, Shanti Swarup Bhatnagar Award (1960), Khaitan Medal of the Royal Asiatic Society etc. His current interest in research includes among others electronics and alternate sources of energy.

KERALA STATE SCIENCE AND TECHNOLOGY PRIZES 1978



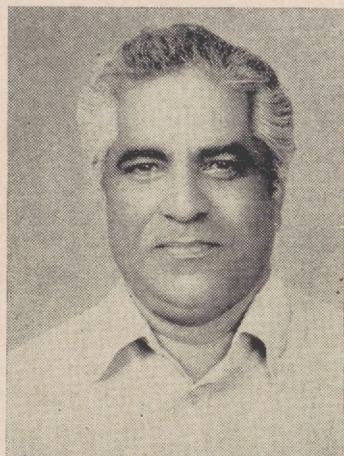
Prof. C. A. Ninan

Prof. Chirathalatt Andrews Ninan, M.Sc., Ph.D., is Professor of Genetics and Plant Breeding and Head, Department of Botany and Dean, Faculty of Science, Kerala University.

Prof. Ninan's research interests spread over different botanic disciplines including plant cytology and evolution, breeding and genetical investigations on crop plants and induced mutation studies. His research findings in cytology of ferns and coconuts have been acclaimed as exceptionally meritorious.

Professor Ninan has published over 100 original papers in national and international journals, and is the author of three books. He has received several awards including the Sri Chitra Prize of the Kerala University on two occasions for outstanding scientific publications. He is leading a team of active research workers in the Botany Department of Kerala University.

KERALA STATE SCIENCE AND TECHNOLOGY PRIZES 1978



Shri K. P. P. Nambiar

Shri Kunnath Puthiyaveetil Padmanabhan Nambiar, M.Sc. (London), D.I.C. (London), F.I.E.E. (London), F.I.E.T.E., S.M.I.E.E.E. (U.S.A.), Chairman and Managing Director of the Kerala Electronics Development Corporation Limited and Secretary to the Government of Kerala is well known for his substantial contributions to the field of electronics. He has earned reputation for his experience in almost all aspects of electronic industry which includes among others Research and Development in semi-conductor circuit technique, application engineering, manufacturing and marketing. Shri Nambiar earned special recognition for his pioneering work in the field of applied electronics in the industrial, digital and consumer areas.

Shri Nambiar has organised the first indigenous research and development activity in the industrial electronics field and along with his group was responsible for the development and marketing of many industrial electronic products such as Digital Automatic Load Shedding System, Industrial Speed Drives, Electronic Calculators and several other simple and sophisticated products. Shri Nambiar has been responsible for the spectacular development of the electronic industry in the State, starting and implementing several projects through 12 new companies under the Corporation.

Shri Nambiar is the author of many publications on applied electronics. He is the recipient of several awards including the Institution of Telecommunication Award 1963, F.I.C.C. Award in Science and Technology 1972 and Republic Day Award 1973. Shri Nambiar is also Chairman of Board of Governors, Electronics Research and Development Centre and member of several Central and State institutions.

KERALA STATE SCIENCE AND TECHNOLOGY PRIZES 1978



Dr. P. K. Iyengar

Dr. Padmanabha Krishnagopala Iyengar, M.Sc., Ph.D., F.A.Sc., F.N.A. is the Director, Physics Group, Bhabha Atomic Research Centre, Bombay.

Dr. Iyengar had built up a very effective team of research workers and equipment around Apsara and CIRUS reactors and made significant contributions in the area of neutron diffraction and solid state physics. He had then diversified his interests on intense neutron sources and fast reactor systems. PURNIMA, a zero energy fast reactor using Plutonium, which is a unique system and the first Fast Reactor to be built in this country, is another of Dr. Iyengar's notable contributions. He made very significant contributions to the peaceful nuclear explosion experiment conducted at Pokhran.

Dr. Iyengar is the recipient of several awards including the Shanti Swarup Bhatnagar Prize (1971) and Padma Bhushan (1975).

KERALA STATE SCIENCE AND TECHNOLOGY PRIZES 1978



Dr. M. S. Valiathan

Dr. Marthandavarma Sankaran Valiathan, Ch.M., F.R.C.S., F.R.C.S.E., F.R.C.S. (C), F.A.Sc., F.A.C.C., F.A.M.S., Professor of Cardiac Surgery and Director, Sree Chitra Tirunal Medical Centre, Trivandrum is a cardiac and thoracic surgeon of international repute.

Dr. Valiathan has played a notable role in developing heparin bonds to prosthetic materials such as plastics and metals for application in cardio-vascular surgery and described new techniques for resecting thoracic aortic aneurysms. Dr. Valiathan was Huntarian Professor of the Royal College of Surgeons of England.

Dr. Valiathan received training at the John Hopkins Hospital, Baltimore and Georgetown University Hospital, Washington. He obtained Fellowship of the Royal College of Surgeons of Canada. Besides being an eminent surgeon Dr. Valiathan has been chiefly responsible for the design and development of the Sree Chitra Tirunal Medical Centre at Trivandrum into an institute of national importance and is the leader of a very active group of surgeons at this institute. Dr. Valiathan is a Fellow of the American College of Cardiology, Indian Academy of Sciences and National Academy of Medical Sciences and is the author of several publications.

KERALA STATE SCIENCE AND TECHNOLOGY PRIZES 1978



Prof. E. C. G. Sudarsan

Prof. Ennackal Chandy George Sudarsan, Ph.D., D.Sc., D.Sc. (h.c.), Director, Centre for Particle Theory, University of Texas, U.S.A. and Visiting Professor of Theoretical Studies in the Indian Institute of Science, Bangalore is internationally known for his notable contributions in Particle Physics Quantized Fields and Dynamic Foundation.

Among several other awards Prof. Sudarsan is the recipient of the S.N. Bose Medal of the Indian National Science Academy, Padma Bhushan and has numerous original publications to his credit.

KERALA STATE SCIENCE AND TECHNOLOGY PRIZES 1978

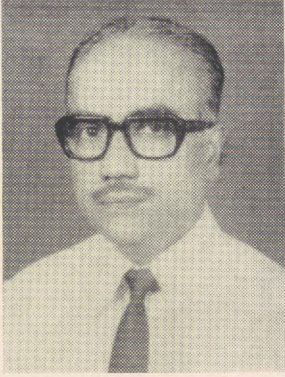
**Dr. M. Krishnan Nair, A. Rajan,
Shri K. M. Ramachandran, Smt. K. I. Maryamma
and K. V. Valsala**

Dr. M. Krishnan Nair, M.V.Sc., Ph.D., F.R.V.C.S., Professor and Head, Dr. A. Rajan, M.V.Sc., Ph.D., Professor; Shri K.M. Ramachandran, B.V.Sc., M.Sc., (Path), F.R.V.C.S., Associate Professor; Smt. K.I. Maryamma, B.V.Sc., M.Sc., N.D.P.H., Associate Professor; Smt. K.V. Valsala, B.V.Sc., M.Sc., (Path.), Assistant Professor are working in the Pathology Department, College of Veterinary and Animal Sciences, Mannuthy, Trichur.

Dr. Krishnan Nair and his group have done pioneering work on the inflammatory reaction in the chicken which has contributed many original observations and concepts in that field. As a result of these investigations, new criteria could be evolved to assess the nature of inflammatory processes and disease conditions in poultry.

This group has also studied in detail the clinico pathological aspects of aflatoxicosis in all livestock. Significant contributions have been made in the fields of comparative oncology, autoimmune studies, endocrine syndromes etc. also.

Dr. Krishnan Nair and his colleagues jointly and individually have published several original papers of importance in the field of animal pathology.



Dr. M. Krishnan Nair



Dr. A. Rajan



Shri K. M. Ramachandran



K. I. Maryamma



K. V. Valsala



**KERALA STATE
SCIENCE AND TECHNOLOGY PRIZES
1978**

RECIPIENTS

STATE COMMITTEE ON SCIENCE AND TECHNOLOGY
DEPARTMENT OF PLANNING AND ECONOMIC AFFAIRS
GOVERNMENT OF KERALA
SECRETARIAT
TRIVANDRUM



KERALA GOVERNMENT GAZETTE No. 43 DATED 24th OCTOBER 1978

Abstract

KERALA STATE SCIENCE AND TECHNOLOGY PRIZES — ORDERS ISSUED

G. O. (P) No. 43/78/Pig. PLANNING AND ECONOMIC AFFAIRS DEPARTMENT

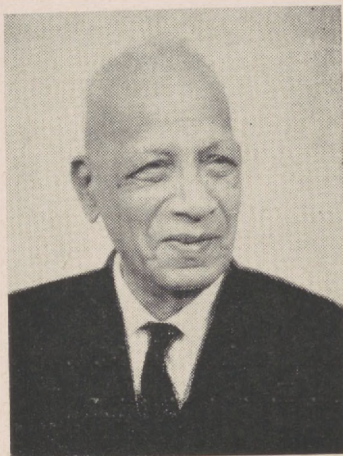
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By order of the Governor,

K. P. S. MENON,
Joint Secretary.

KERALA STATE SCIENCE AND TECHNOLOGY PRIZES 1978



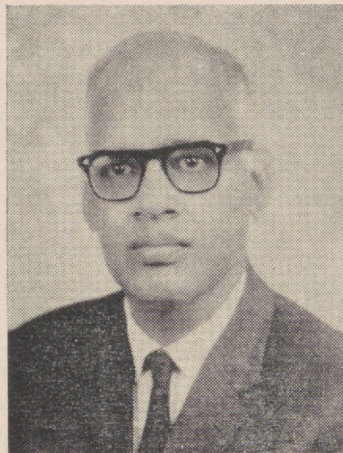
Prof. K. R. Ramanathan

Prof. Kalpathi Ramakrishna Ramanathan, M.A., D.Sc., F.A. Sc., F.N.I., is at present Emeritus Professor, Physical Research Laboratory at Ahmedabad.

Prof. Ramanathan, formerly Director and Professor of the Physical Research Laboratory, Ahmedabad, was a close associate of Sir C.V. Raman in his researches and has earned international reputation for his outstanding contributions to our knowledge of the upper atmosphere, the tropopause, the monsoon circulation of the atmosphere, the nature of monsoon disturbances, hydrology seismology, geomagnetism, atmospheric ozone, atmospheric radiation, night air-glow, ionospheric physics etc. The scientific fields of meteorology, hydrology and geophysics in India have been significantly advanced through the personal investigations and guidance of Prof. Ramanathan.

Prof. Ramanathan has been the recipient of numerous awards such as the Fellowship of the Royal Meteorological Society of London (1960), the International Meteorological Organisation Award (1961), Padma Bhushan (1965), Padma Vibhushan (1976) and the Aryabhata Medal of the Indian National Science Academy (1978).

KERALA STATE SCIENCE AND TECHNOLOGY PRIZES 1978



Prof. G. N. Ramachandran

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Prof. Ramachandran, who is a Fellow of the Royal Society is the author of many scientific papers and monographs, and has edited several well known treatises on protein structure, crystallography and collagen.

Prof. Ramachandran is regarded as an international authority on X-ray crystallography. He has been Visiting Professor of Biophysics at the University of Chicago (1967) and Fogarty International Scholar, National Institute of Health, U.S.A. (1977-78).

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Dr. Monkombu Sambasivan Swaminathan, Ph.D., D.Sc., F.A.Sc., F.N.A., F.R.S. is Deputy Chairman, Planning Commission, Government of India.

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KERALA STATE SCIENCE AND TECHNOLOGY PRIZES 1978



Prof. M. G. K. Menon

Prof. Mambillikalathil Govind Kumar Menon, Ph.D. (Bristol), D.Sc., F.A.Sc., F.N.A., F.R.S., Director General, Council of Scientific and Industrial Research and Secretary to the Government of India, Department of Science and Technology, New Delhi, is internationally known for his notable contributions to the nuclear emulsion technique, the physics of elementary particles, particularly strange particles and cosmic ray investigations in high altitudes and at great depths underground.

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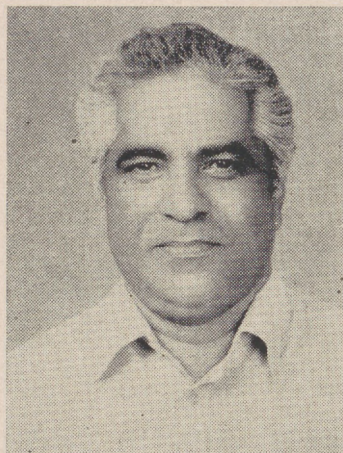
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Professor Ninan has published over 100 original papers in national and international journals, and is the author of three books. He has received several awards including the Sri Chitra Prize of the Kerala University on two occasions for outstanding scientific publications. He is leading a team of active research workers in the Botany Department of Kerala University.

KERALA STATE SCIENCE AND TECHNOLOGY PRIZES 1978



Shri K. P. P. Nambiar

Shri Kunnath Puthiyaveetil Padmanabhan Nambiar, M.Sc. (London), D.I.C. (London), F.I.E.E. (London), F.I.E.T.E., S.M.I.E.E.E. (U.S.A.), Chairman and Managing Director of the Kerala Electronics Development Corporation Limited and Secretary to the Government of Kerala is well known for his substantial contributions to the field of electronics. He has earned reputation for his experience in almost all aspects of electronic industry which includes among others Research and Development in semi-conductor circuit technique, application engineering, manufacturing and marketing. Shri Nambiar earned special recognition for his pioneering work in the field of applied electronics in the industrial, digital and consumer areas.

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KERALA STATE SCIENCE AND TECHNOLOGY PRIZES 1978



Dr. P. K. Iyengar

Dr. Padmanabha Krishnagopala Iyengar, M.Sc., Ph.D., F.A.Sc., F.N.A. is the Director, Physics Group, Bhabha Atomic Research Centre, Bombay.

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KERALA STATE SCIENCE AND TECHNOLOGY PRIZES 1978



Dr. M. S. Valiathan

Dr. Marthandavarma Sankaran Valiathan, Ch.M., F.R.C.S., F.R.C.S.E., F.R.C.S. (C), F.A.Sc., F.A.C.C., F.A.M.S., Professor of Cardiac Surgery and Director, Sree Chitra Tirunal Medical Centre, Trivandrum is a cardiac and thoracic surgeon of international repute.

Dr. Valiathan has played a notable role in developing heparin bonds to prosthetic materials such as plastics and metals for application in cardio-vascular surgery and described new techniques for resecting thoracic aortic aneurysms. Dr. Valiathan was Hunarian Professor of the Royal College of Surgeons of England.

Dr. Valiathan received training at the John Hopkins Hospital, Baltimore and Georgetown University Hospital, Washington. He obtained Fellowship of the Royal College of Surgeons of Canada. Besides being an eminent surgeon Dr. Valiathan has been chiefly responsible for the design and development of the Sree Chitra Tirunal Medical Centre at Trivandrum into an institute of national importance and is the leader of a very active group of surgeons at this institute. Dr. Valiathan is a Fellow of the American College of Cardiology, Indian Academy of Sciences and National Academy of Medical Sciences and is the author of several publications.

KERALA STATE SCIENCE AND TECHNOLOGY PRIZES 1978



Prof. E. C. G. Sudarsan

Prof. Ennackal Chandy George Sudarsan, Ph.D., D.Sc., D.Sc. (h.c.), Director, Centre for Particle Theory, University of Texas, U.S.A. and Visiting Professor of Theoretical Studies in the Indian Institute of Science, Bangalore is internationally known for his notable contributions in **Particle Physics Quantized Fields and Dynamic Foundation.**

Among several other awards Prof. Sudarsan is the recipient of the S.N. Bose Medal of the Indian National Science Academy, Padma Bhushan and has numerous original publications to his credit.

KERALA STATE SCIENCE AND TECHNOLOGY PRIZES 1978

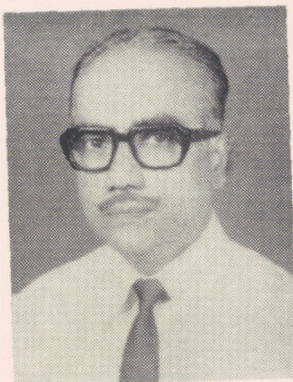
**Dr. M. Krishnan Nair, A. Rajan,
Shri K. M. Ramachandran, Smt. K. I. Maryamma
and K. V. Valsala**

Dr. M. Krishnan Nair, M.V.Sc., Ph.D., F.R.V.C.S., Professor and Head, Dr. A. Rajan, M.V.Sc., Ph.D., Professor; Shri K.M. Ramachandran, B.V.Sc., M.Sc., (Path); F.R.V.C.S., Associate Professor; Smt. K.I. Maryamma, B.V.Sc., M.Sc., N.D.P.H., Associate Professor; Smt. K.V. Valsala, B.V.Sc., M.Sc., (Path.), Assistant Professor are working in the Pathology Department, College of Veterinary and Animal Sciences, Mannuthy, Trichur.

Dr. Krishnan Nair and his group have done pioneering work on the inflammatory reaction in the chicken which has contributed many original observations and concepts in that field. As a result of these investigations, new criteria could be evolved to assess the nature of inflammatory processes and disease conditions in poultry.

This group has also studied in detail the clinico pathological aspects of aflatoxicosis in all livestock. Significant contributions have been made in the fields of comparative oncology, autoimmune studies, endocrine syndromes etc. also.

Dr. Krishnan Nair and his colleagues jointly and individually have published several original papers of importance in the field of animal pathology.



Dr. M. Krishnan Nair



Dr. A. Rajan



Shri K. M. Ramachandran



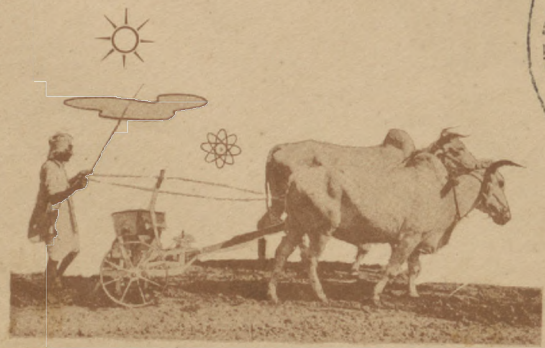
K. I. Maryamma



K. V. Valsala

भारतीय डाक-तार विभाग INDIAN POSTS & TELEGRAPHS

प्रथम दिवस आवरण
FIRST DAY COVER
17-7-1968



गेहूँ उत्पादन में क्रान्ति WHEAT REVOLUTION 1968

13326/44/79 December 19, 1979.

My dear Prof. Abraham,

I thank you very much for your kind D.O. letter No.13326/ST2/79/Plg., dated 6th December, 1979, informing me that the Government of Kerala has decided to award a Kerala State Science and Technology Prize to me. I am very grateful for this honour. In accordance with my policy with regard to such Awards, I would like the cash amount to be given to a suitable organization working for children. I shall shortly send the name of the organization.

With kind regards,

Yours sincerely,

M.S. Swaminathan

(M.S. Swaminathan)

*msw
2/12/79*

Prof. A. Abraham,
Chairman, Science & Technology Committee, &
Ex-officio Secretary to the
Government of Kerala,
Planning & Economic Affairs Department,
Secretariat,
Trivandrum.

Back to me



SECRETARIAT
TRIVANDRUM

6th December, 1979.

PROF. A. ABRAHAM

CHAIRMAN, SCIENCE & TECHNOLOGY COMMITTEE
AND
EX-OFFICIO SECRETARY TO GOVERNMENT
PLANNING & ECONOMIC AFFAIRS DEPARTMENT

D.O.No. 13326/STa/7910/9

My dear Dr. Swaminathan,

I am very happy to inform you that the Government of Kerala, on the unanimous recommendation of a Special Committee of the State Committee on Science and Technology appointed by the Chief Minister, have decided to award to you one of the Kerala State Science and Technology Prizes (for 1978). The prize is of the value of Rs.5,000/- and is exempt from Income tax. I hope you will kindly accept the award and agree to be present at Trivandrum on a date (if possible late this month) to be intimated later.

Kindly send me a copy of a recent photograph and a brief bio-data for inclusion in the brochure to be printed for the occasion.

Please accept the congratulations of the State Committee, and my own personal felicitations on this distinction conferred by your home state.

With warm regards,

Yours sincerely,

(A. Abraham.)

Dr. M.S. Swaminathan, *FRS*,
Secretary to the Govt. of India,
Ministry of Agriculture,
Education and Research,
New Delhi-1.

Department of Agriculture and Co-operation

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I enclose a letter received from the Chairman of the Science & Technology Committee to the Government of Kerala informing me that the Government of Kerala have decided to award me with the Kerala State Science & Technology Prize for 1978. The Award carries a sum of Rs.5,000/-.

If Minister approves, I shall accept the Award. In accordance with my general policy of not using the cash amount associated with such awards for personal purpose, I shall be donating the money to a suitable organisation.

D. S. Swaminathan

(M.S. Swaminathan)
Secretary (A & C)
13.12.1979

Maharaj
19.12.79

Minister (A & I)

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भारत सरकार

GOVERNMENT OF INDIA

ग्राम विकास विभाग

DEPARTMENT OF RURAL DEVELOPMENT

SECTION _____

विषय SUBJECT

AWARD OF KERALA STATE SCIENCE AND TECHNOLOGY PRIZE

TO DR. M.S. SWAMINATHAN, SECRETARY (A & C)

पिछले हवाले
Previous References

बाद के हवाले
Later References